

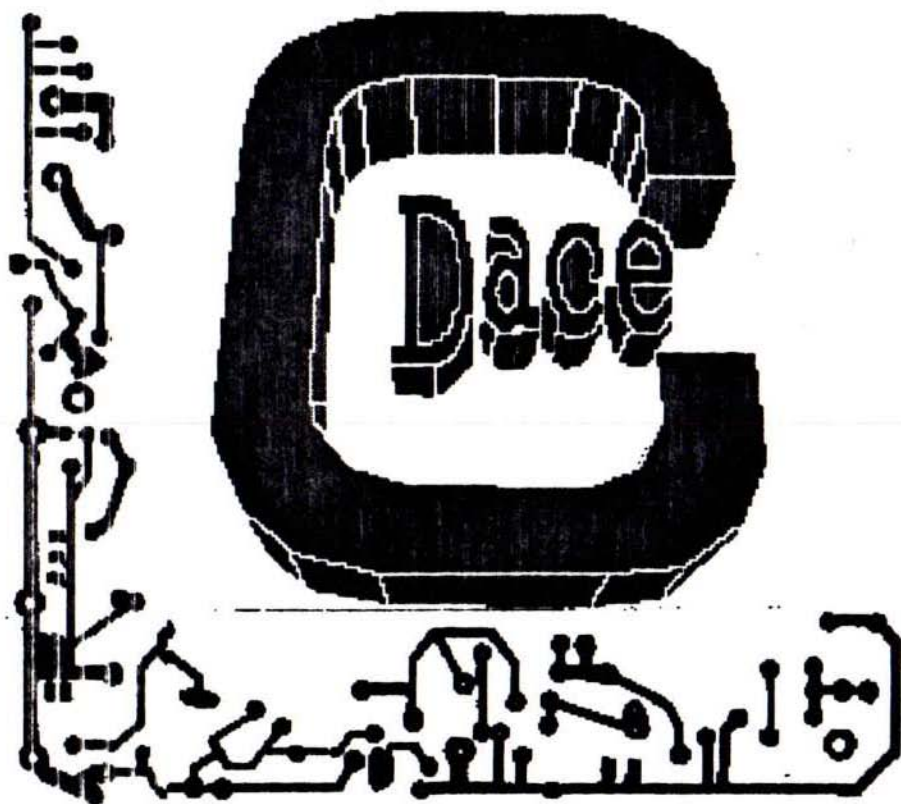
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NEWSLETTER

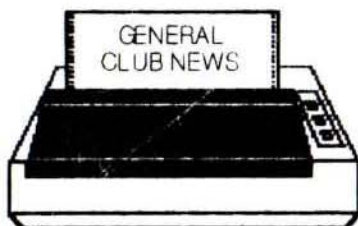
November, 1987

POST OFFICE BOX 511, DELMAR NEW YORK 12054
CDACE BBS (518) 237-1232



ABOUT CDACE

The Capitol District Atari Computer Enthusiasts serves Albany, Schenectady, Rennselleer, Saratoga and surrounding counties in upstate New York.



The November and December meetings will be held on the third Thursday of those months. November 17TH and Decemeber 15TH at the United Methodist Memorial Church on Hoosick Street in Troy.

The Club actively promotes the use of all Atari Computers through demonstration and application.

Other Club activities include a BBS, SIGS, and this Newsletter. In addition the Club has extensive public domain libraries for the XE and ST computers and frequently offers group buying benefits to club members.

For information about Club membership please contact:

PETER KNAPIK	or	BILL SILVERMAN
CDACE PRESIDENT		NEWSLETTER EDITOR
(518) 783-3415		(518) 439-6465

Annual membership is currently \$15.00.

DIRECTIONS

The CDACE general meeting is conveniently located from everywhere in the Capitol District.

Using any of the main arterials, Interstate 90, 787 or the Northway, go to new Alternate Route 7 and cross the Collar City Bridge into Troy. Go up to the top of Hoosick Street and the Church is on the right. Park in the Bank parking lot across the street.

(continued on inside or back cover)

CDACE NEWSLETTER

CDACE PRESIDENT &
PUBLISHER
PETER KNIAPIC

EDITOR
BILL SILVERMAN

MEMBERSHIP AND
SUBSCRIPTIONS
BILL SILVERMAN

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NOVEMBER 1987
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by C.K. from Portland Express
BBS.503-244-3254

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by Bill Silverman



ME AND MY ST by Bill Silverman

It has now been almost a year since I got my 1040ST. The purchasing logic was ironic, since I couldn't get a \$300 1 meg MIO box I went out and spent \$1100 for a 1040 color system. Well folks, the results are in -

WORD PROCESSING - no question about it the 1040 can handle data in ways and amounts that my trusty 130XE can not conceive. Using ST Writer to edit large documents (a couple have actually exceeded the 250,000 byte marker) has produced a dramatic increase in productivity. Thunder has been a marvelous spell checker. The program is used rather than the accessory only because of my preference not to stop writing.
Satisfaction level: THE BEST

SPREADSHEET - A Calc Prime is a very powerful program that makes good use of the mouse/menu interface. With the enormous RAM of the 1040 it has created a couple enormous (150K+) spreadsheets with layer upon layer of calculations and handled them quickly and easily. My only complaint - A Calc Prime does not have a CNT (count number of occurrences) function.
Satisfaction level: GOOD

DATABASE - Datatrieve was written for the 'common man' and it works very well. This is an extremely capable file card database manager. With so many outstanding and easy to use features that it's couple of bugs are trivial. On the down side there is still no relational database for the ST that uses the GEM environment to make DB design, management, and use as easy as the operating system allows.

Another problem in the area of DB management is the dilution of the DIF standard in ST database software. A true DIF file is transportable to and from any software that follows the DIF conventions for data types and sequencing. ST software companies seem to be creating DIF formats that lock you into their software for DIF compatibility. Unfortunate and in the long run unproductive.

Satisfaction level: GOOD to POOR

COMMUNICATIONS - With the still emerging BBS software the ST is poised to become a major force in all facets of electronic communication. A major part of this potential is directly attributable to five pieces of Software:

FLASH: Indicative of the way software should be interfaced for the end user and an exemplary terminal

program. Flash is the standard for communications software being easy to use, user programmable, and competent in everything it sets out to do.

PIC SWITCH: Has opened up the entire computer graphics world to the ST user. XE, Mac, Amiga, and all ST formats for 'pictures' can be converted to the ST format of your choice. This wonderful shareware program has opened the entire realm of computer graphics to the ST user.

DEGAS ELITE: although more limited than the original DEGAS in handling fonts Degas Elite has served as an invaluable Newsroom 'Clip Art' factory for the emerging desk top publishers in the St community. It has also become the standard format for transfer of graphics images from one software program to another. Almost every software package that produces screen or print graphics also allows you to save graphics in DEGAS format.

RLE & GIF are graphics transmission protocols and algorithms that allow transferring graphics to and from any computer. The software itself takes any RLE or GIF image and produces a picture on your screen according to your computers abilities. This software was originally developed by CompuServe and has served to open up thousands of graphics.

PUBLISHING PARTNER: Yes it can crash on a change of fonts but it is the only real desk top publishing software the ST. It is complex, and is professional in it's demands on the user and most importantly in the appearance of it's finished product.

These five programs allow the ST to communicate through on-line services and 'hardcopy.' The integration of computer graphics, the ability to 'port' graphics between any two computers allows the ST user use graphics that would be otherwise unavailable. Porting also provides an avenue to demonstrate the graphic capabilities of the ST.

Flash is certainly the medium of exchange for this communication. Pic Switch, Degas and RLE graphics provide the translation and design capabilities for any art work. Finally, publishing partner provides a professional program and finished product for paper copy.

The continued success of the ST/Mega computers will rest with the productivity of those using these products now and the development of even more powerful software for communication in the future.

JUST SOME CHIT-CHAT by Steve Garee

I usually write on some bizarre item that no one seems to be interested in. Frequently, I try to look at something nobody has attempted or just anything that grabs my eye. I will try and describe some of my projects that are underway and along the way describe some of the new gadgets and programs involved.

First, the bad news. My betting scheme for the thoroughbred tracks is finished. That sounds so final, but after three years and nearly 6000 pages of statistical studies I am ever so glad. Half of this monster I carry in my head simply because it is necessary to make instant judgment calls as the odds change and also because it would be impossible to do it any other way. What does this mean to you out there in Atari land? Limited time, that's what. My livelihood is with the horses and they come first. I will be giving up my office with the club effective the next election. However, I will continue to write articles for the newsletter as I get time and if you can get me I will try to help anyone that needs it.

Second, because I read volumes and I was enthralled with a book called "Oh Pascal!", I have decided to learn Personal Pascal. The new Personal Pascal rivals even TDI Modula-2 as an excellent programming language, but with a package called the "Tackle Box", this is the all-around language programmers have been waiting for. PP is an excellent ISO Pascal, but Tackle Box adds 9 pages of documentation equal to the Developer's Kit from Atari as well as library functions to allow C type calls to the GEM operating system and the use of C output linker files. What can you add to that? Library functions to match Borland Turbo Pascal calls to allow portability from the IBM world.

Third, I purchased the IMG-SCAN scanner from the Seymour-Radix booth at the Atari Fair in Worcester. This is not the Rolls-Royce of scanning devices but it has excellent potential for the hardware hacker. The pros and cons: the device is not in a protected cartridge, you can fry it by stray static electricity. However, it is well constructed and has resisted my destructive tendencies. Just be careful! Normally, the device must be attached to the head of a printer to scan the picture, but only tape is suggested as an attachment device. I removed the print head and constructed a bracket from house wire and a D connector to attach the 4 foot fiber-optic cables to my Star SG-10. The print head should be completely removed if this is attempted, because the scanner sends a print instruction at either

end of the carriage and printing on a Star without a ribbon can turn your head into an expensive piece of scrap. A word to the wise. Because of the contrast gray scales, this device scans best in Low Resolution and produces dither patterns at High Resolution. It scans best images copied on a standard copier, because this heightens the gray scales.

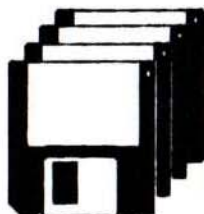
The instruction manual is garbage and you have to experiment to learn the control deck. This program interface is not intuitive and might shake the confidence of a novice user.

Fourth, with the instigation and assistance of Ray Hennessy, I am trying to convert a good Bowling Secretary program by Ray from GFA Basic to DbMan command language. This is simply because the DbMan language allows a broader construction for a general database type program and not because of a limitation of the GFA Basic language. More simply, I don't want to have to reprogram every time we go from a three man to a four man team. This baby is huge! It has everything except the kitchen sink. Maybe Bill Silverman can convince me to convert it to Datatrieve. No, maybe not.

Fifth, I am trying to design a new NLQ alphabet for my OKIDATA 292 printer so I can print an exact copy of the screen font to my printer, but this is low on my priority because it requires conversion of an IBM program to run on PC-Ditto as OKIDATA does not exactly explain the download capability of their printers. Ah, all! Don't forget that most printers have a download capability and can present you with a better looking type than some graphics based fonts in fewer passes.

Sixth, I am trying to learn if there is life after Spectrum 512 and The Graphic Artist. Excellent, intriguing, but a real struggle to grasp all the capabilities of these graphics packages. I'm working at it.

I will write as I gather enough information, but in the mean time bet on Groovy in the Breeder's Cup simply because he's the best and it will take a major error for him to lose. Caveat emptor.



**ST
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CDACE CLASSIFIEDS

ST SS DRIVES SF 354 - best offer, call Peter Knapic at 783-3415, see him at the meeting or leave a message on the BBS.

WANT AD EFSTRATIOS VARKARIS TO ALL ST HARD DRIVE 10/26/87

SUPRA 20 Mbyte 3.5" seven months old hard drive is for sale. Originally bought for \$620.00, goes for \$525.00. The package includes the Supra Utilities and fast back-up software. If interested, call 276-5504.

WANT AD CHARLIE STANCARONE TO ALL HONDA FOR SALE 11/08/87

1983 HONDA CIVIC 1500 NEAR PERFECT CONDITION 41,000 MILES NEW MICHELIN X TIRES AM/FM STEREO 40+ MPG A BARGAIN AT \$4500.00 LEAVE ME A MESSAGE HERE OR CALL 877-5857. THIS PRICE IS NEGOTIABLE (SLIGHTLY). INCIDENTLY, THE CAR CAN BE SEEN ANY WEEKDAY 8-5 <AT 'NORTHEAST ACURA' LATHAM. THIS IS LOCATED ON ROUTE 9 JUST NORTH OF THE '87' INTERCHANGE. charlie

FROM ZMAG 10/16/87

This past week (10/16/87) the Atari television ads for the XE Game System made it to local television. It was the first ad I have seen in a few years!! Good Luck Atari!!! The MEGAS are coming!! Look for them shortly in your area! The SX212 has trickled down to us finally and this week we have a review of it.

SX212 REVIEW ...By Bob Woolley SLCC...

For those of you with no modem, or a SIO connect 8-bit modem, or a 300 baud modem (leave anybody out?), Atari has got a great new product for you - the SX212 1200 baud modem. It has a standard RS-232 interface for those users with an 850, or a ST, or a P:R Connection and an SIO connector for those 8-biters who lack an RS-232 box. It is Hayes compatible and even has a nice row of LEDs across the front of the unit to keep you informed of its status (High Speed, Auto Answer, Carrier Detect, Off Hook, Receive Data, Send Data, Terminal Ready, and Modem Ready).

The best thing about this guy is that it only costs \$99.95 - List Price. A product of increasing integration, it is another level up on the path to single chip, 1200 baud, modems - much like the 300 baud XM301 that preceded it.

I can remember my first RS-232 modem. It was also Hayes compatible, which seems to mean that it has to have 6 million switches set before your computer will talk to it. Not the SX212. Absolutely nothing to set on this guy. Move it from your 8-bit to your 16-bit system ... works just fine with no switch juggling. Aren't any to mess with, anyway. My X-Ray Vision tells me that there are jumpers inside, but it isn't something the average guy is going to fool

with. I tried the 212 on my ST with FLASH. Although I am not any kind of TP expert, the modem worked just fine. It seemed to be perfectly happy with XModem downloads and such. Even the operator trying to interrupt my call didn't bring down the modem. Lots of garbage, but carrier stayed up. This is exactly what the computer industry needs - an affordable product that you just pull from the box and run!

When it came to my 8-bit system, I hit a little snag. Since the modem would connect to the SIO port, it has to either emulate an 850 and the Hayes modem, or not emulate the 850 and not work on my 8-bit.

Guess which one I got?? Works just fine on the P:R Connection as a Hayes (knew that since it worked on the ST) . Didn't work at all as an 850. I tried a Status command to every address on the SIO buss and got no response from the SX. One thing for sure, no matter how it works, the modem requires a handler. Some devices load their own handler and some programs replace them with the handler that the program wants. So, without a handler, I had no chance to make the thing work. If the device didn't even talk to the CPU on the SIO buss, how could the handler talk to the modem? The XM301 modem came with an excellent communications program and plenty of documentation on disk to fully describe the handler necessary for that device. I quickly learned that an SIO cable (which is not included in the box - for obvious reasons. You can't use the SIO feature without the handler) and a version of EXPRESS will become available from Atari at some future date. I should hope so. Not requiring a P:R Connection or an 850 can save an 8-bit user as much as the cost of the modem itself. This is one of the greatest assets of this device, the ability to run without additional interfaces. Needless to say, this was most discouraging. Maybe a little hacking could help?

There was (is?) a company called Advanced Interface Devices that made a simple RS-232 adapter for the Atari SIO buss. Since the SIO is already a serial buss that can be programmed to operate in almost any mode, they thought they could just write a handler and wire up a cable that would suffice for RS-232 operation. They produced the R-Verter and managed to do exactly what I described - run the SIO as an RS-232 serial interface. With this in mind, and a little more X-Ray Vision, it appeared that Atari was using the same method on the SX212. It is a two chip modem set, a couple of RS-232 receiver/driver chips, an audio amp, an LS logic chip, and some sort of clock generator inside this modem. It would be very unusual for a modem chip set to be able to talk to an Atari SIO buss directly (the XM301 uses a microprocessor to operate as a modem and to talk to the buss). So, I had to conclude that Atari used the R-Verter approach. Close inspection of the SIO pins indicate that the -Command line (pin 7) is not even connected in the SX212. No way to do SIO without that in. No SIO means an RS-232 emulator. The only one that I am aware of is the AID R-Verter. So, I logged on to CompuServe and looked for an R-Verter handler in DL2. Luckily, I found exactly what I needed in a file called RVHAND.XMO. It is an R-Verter handler that has been re-compiled for use with HOMETERM. Following the RVHAND.DOC file, I created a copy of HOMETERM that would run on the R-Verter. Booted up on my SX212 and got the 850 status screen. Even though the modem is directly connected, the program thinks it is talking thru an 850. All the commands that I needed worked just fine on HOMETERM - downloads, disk directories, pauses, everything! Tom Neltzel has passed on the word that the same handler will allow the SX212 to run Amodem 7.4, a program that I am not familiar with, but is very popular. I have not tried to replace the handler in EXPRESS with the R-Verter code. I don't think that task will be as simple as re-compiling the code, since EXPRESS seems to use all available memory. None the less, those 8-bit users who own

SIO connect 300 baud modems can upgrade to the SX212 and start tele-computing immediately with Amodem or HOMETERM.

FINALLY by MR. GOODPROBE

It seems that our patience with our Beloved Atari is finally paying off. Please capture this message and spread it around to the faithful!

Last Saturday in London Atari showed its CD Rom system, it will be compatible for all computers, and it's presently available in a 350 meg format. We are promised it later this fall, but wouldn't look too hard for it till this coming summer. Now pull up a chair and I will type in an article I just found in one of our trade magazines that arrived yesterday. The headline reads:

ATARI TO DISPLAY TRANSPUTER-BASED WORKSTATION AT COMDEX
by Tom Moran INFO World Oct. 12, 1987 Volume 9, Issue 41

In its first entry into the technical workstation market, Atari Corp. will show at Comdex prototypes of a workstation that will operate at 10 MIPS (million instructions per second) in its most basic configuration, the company said.

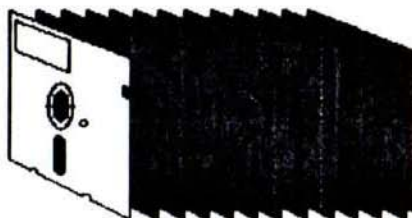
Because the system supports the Inmos T-800 Transputer CPU, which is designed for parallel processor chips, users will be able to add additional transputers, perhaps as many as several hundred working on one application at the same time. In such a system "its actually very easy to have 100 MIPS for very small amount of money," said Shiraz Shivji, vice president of research and development for Atari.

We're aiming at a price point under \$5,000 (for the basic system), but that doesn't mean we will hit it," said Bob Gleadow, general manager of Atari's UK operation. The basic system will have one processor; more will be added in configurations holding 4 processors each.

The Unix like operating system for the workstation will be Helios, under development by Perihelion Software of the United Kingdom. "Unix doesn't support great graphics, so this is like a cross," said Gleadow. He confirmed that the company is working on a proprietary coprocessor chip for music and graphics functions. He also said that Atari is working on a chip that will add virtual memory capability to the Inmos transputer.

Atari hopes to begin production in March or May. "there's

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7:00PM**



more likely to be slippage on the software than on the hardware," said Gleadow, noting an operating system is more prone to delays than a hardware design. The company will first market the machine to the United Kingdom and Europe building up languages and applications before introducing it in the United States. "We would like to see it there in late 1988," said Gleadow. One of the applications being developed by a third party is a DOS emulation program, he noted.

The workstation will include a very high-resolution monitor being made for Atari in the Far East, according to the company. Atari will provide for compatibility with the firm's Mega and ST line of computers, a spokesman said. Well, it appears our beloved Atari, with the release of the long awaited Mega ST, the showing of their CD Rom system in London as announced this past Saturday on the Computer Chronicles (so nice to see Atari on the news!) and now this announcement, really are healthy and looking forward to the future...just another reason to BUY Atari! It seems so long ago that that Atari was nearly totally out of the picture as far as the home computer world goes, and now they are alive, vibrant, and ready to take on the BIG guns of the micro-world.

You and I of course will not be able to afford these systems mentioned in this article, but it will directly affect you and I as we can expect Atari to be around for a long, long time, and therefore receive continued product support, and that is super news!

Finally, for those uninformed souls amongst us, a CD ROM system, is a mass storage device system, similar in some ways to a hard drive in that you can store large amounts of data in it. A CD ROM system can hold 500+ megs easily on a disk, (Atari has chosen a standard format which will hold 350 meg disk), while a hard drive can hold large quantities of data, 20 and 30 meg being typical sizes of drives today, with them extending as high as 160 on a single drive. The difference between the two is that the CD ROM system is NOT prone to head crashes upon power failures as the hard drives are, you can change the data-holding disk in the CD ROM just as simply as popping in a new record, while with a hard drive "what you see is what you get". The price too is much more affordable, and Atari plans to introduce its CD ROM device at \$650, while the equivalent in hard drive storage would easily run you over \$6,000! Until recently, CD ROM devices were read only, but I have great news! There is a fine gentleman over in the United Kingdom that has a read/write capable CD ROM system up and running on the ST, and he plans to introduce it next year, at a very affordable price.

It All Started With An Old Atari 800.

I don't know about you, but with each passing day, I am more and more amazed at how intelligent I was for buying an Atari system, and the list of reasons why is growing with each passing moment! Keep those Ataris hummin'!

A Lot Has Changed In The World Of Home Computing Since I Made The "Big" Decision To Get A Home Computer Back In Early 1983.

After Looking Around At The Various Product That Was Available At The Time, I Decided I Wanted An Atari 800. It Seemed To Offer The Most Value, Had "Massive" Memory (48K) And There Was A "Sale" Going On At One Of The Local Electronics Stores.

So In I Walked, Not Knowing A Disk Drive From An Interface, And After Thinking It All Over, Walked Out Armed With An 800, The 835 ("Little Black Box") 300 Baud Acoustic Coupling Modem, An 850 Interface, And An 810 Single Sided Single Density Disk Drive.

The Price Of The 800 Was \$495, Discounted From Approximately \$550 As I Recall. I Was Sure That I Had Everything I Would Ever Need To "Compute" For A Lifetime.

I Could NOT Believe It. Many BBS's Have Come And Gone In Almost Five Years, But Some Of The Ones I First Called Are Still Around. Boards Like MACE And MACE WEST, I Was In A New World, Public Domain Software And Information Exchange. The Only Problem Was The Long Distance Charges To Get THERE. Things Are Quite A Bit Different In 1987, PC Pursuit Changed The Prohibitive Cost Of Reaching Out Into That Electronic "World", It Will Be A Tragedy If The "Average" Person Will Again Not Be Able To "Modem" Unless They Use Standard Long Distance Rates.

A Lot HAS Changed In The Last Five Years Of Computing. But The One Thing That HASN'T Is The Genuine And Creative Constructive FUN An Ordinary Human Being Can Receive From A Little Grey "Machine" Sitting On A Desk.

Computing Like Life Is An Unpredictable Adventure, A Learning Experience Without Bounds. I Don't Know What The NEXT Five Years Hold In Store Technology Wise, But I DO Know It Will Be Exciting, And For Me Personally It All Started With That Big Old Atari 800.

by C.K. from Portland Express BBS.503-244-3254

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THE SIXTH ANNUAL ANTIC SHOPPERS GUIDE By GREGG PEARLMAN, Antic Asst Editor

ATARI COMPUTERS

130XE The Atari 130XE (\$149.95) is a 128K-memory computer that's capable of running "serious" productivity software without any compromise -- word processors with built-in spelling checkers, large spreadsheets and databases, etc. Yet it also has Atari's traditionally excellent graphics and ease of programming. The 130XE runs all the software written for any previous 8-bit Atari model, and the keyboard action is nothing short of outstanding. Overall, the 130XE is the best value in 128K personal computers today.

65XE The 65XE (\$99.95) is essentially the classic Atari 800XL repackaged in sturdy gray plastic to match the rest of the new Atari computer line. It is a worthy successor to 800 and 800XL, continuing in the tradition of the best 64K

personal computers ever brought to market. Available for considerably less than the low list price at mass merchandisers, the 65XE is a fine choice for first-time computer buyers with its solid base of good software and self-teaching books.

XE GAME SYSTEM The new XE Game System (\$149.95) is an imaginatively designed two-piece 65XE computer that comes with a detachable keyboard, a light gun, joystick and bundled cartridge software including Flight Simulator II. Atari is also marketing new cartridge versions of some 18 hit arcade and disk games at \$20 a piece. The Game System runs all previously released 8-bit Atari cartridges -- or you could connect it to a disk drive and run any 8-bit Atari disk software.

Atari Corporation
1196 Borregas Avenue
Sunnyvale, CA 94086
(408) 745-2000

(See the special START Buyers Guide issue for an in-depth look at the latest ST computers, software and peripherals.)

BUSINESS & PRODUCTIVITY

CALC MAGIC (\$24.95, XL/XE and disk, AP0177) is a complete spreadsheet package, featuring programmable macros that enable you to run automated sequences, quick testing of multiple "what-if" conditions, pop-up menu windows and math functions including mean, standard deviation and variance. Standard spreadsheet .DIF files are supported.

CREATIVE PROCESS (\$19.95, 48K disk, AP0151) is a tremendous aid in report writing, for business or school. This outline processor features pop-up menus and can help you manage projects, make sense out of long meetings, or monitor works in progress. Creative Process supports the 130XE RAMdisk.

The Catalog
544 Second Street
San Francisco, CA 94107
(800) 234-7001.

TURBOBASE The MicroMod TURBOBASE Integrated Business Application takes full advantage of the 1Mb RAMdisk capability of ICD's Multi I/O Board and speedy SpartaDOS 3.2. This program does the job for business owners seeking a central software system to handle all their financial and administrative data. TurboBase tracks customer and vendor addresses and phone numbers; accounts receivable and payable; inventory and payroll. It contains a word processor and a flexible report generator. \$179.95, 48K disk.

MicroMiser Software, Inc.
1635-A Holden Avenue
Orlando, FL 32809
(305) 857-6014

SYNCALC, SYNFILE+, B/GRAPH

The SYNCALC spreadsheet and SYNFILE+ database (\$49.95 each, 48K disk) are the most widely used integrated productivity applications for 8-bit Ataris. Each program is powerful, while pop-up menus and clear commands simplify operation. SynCalc is compatible with VisiCalc .DIF files.

B/GRAPH (\$39.95, 48K disk) creates pie charts, 2-D and 3-D bar charts, line and area graphs. You can graph three factors with 100 data points each and convert instantly between graph types without re-entering data. B/Graph also reads and writes to SynCalc .DIF files -- enter data with SynCalc, then graph it with B/Graph.

Electronic Arts
1820 Gateway Drive
San Mateo, CA 94404
(415) 571-7171.

BUSINESS MANAGER is for the small businessperson who needs a simple accounting system to track sales and inventory without getting lost in fancy features. Written in Atari BASIC, Business Manager also runs with BASIC XL from OSS. This program also takes advantage of the extra RAM in a 130XE. \$49.95, 48K Disk.

Reeve Software
29W150 Old Farm Lane
Warrenville, IL 60555
(312) 393-2317.

MILES PAYROLL SYSTEM This advanced, comprehensive payroll accounting system maintains cumulative totals for up to 50 employees per disk and features complete reporting, check writing and W-2 reporting. Covers all standard payroll deductions, unemployment insurance and worker's compensation. Easy to update for yearly IRS changes, the Miles package allows weekly, biweekly, semimonthly or monthly pay periods. \$99.95, 32K disk, requires two disk drives.

Miles Computing
21018 Osborne Street
Building 5
Canoga Park, CA 91304
(818) 994-6280

CDACE MEETING DATES FOR NOVEMBER AND DECEMBER

THURSDAY, NOVEMBER 17TH
THURSDAY, DECEMBER 15TH

DISK LIBRARIES OPEN AT 7:00PM
GENERAL MEETING BEGINS AT 7:30PM

(cc.)ued from inside of front cover)

CDACE BOARD MEMBERS

PRESIDENT - Peter Knapik, 783-3445
ST VICE PRESIDENT/LIBRARIAN - Steve Garee, 489-0355
XE VICE PRESIDENT - vacant
SECRETARY - vacant
TREASURER - Ray Hennessy, 371-2690
BBS SYSOP - Ed Lafortune, 235-7044
XE LIBRARIAN - Ted Cayre, 374-1503
Communication - Don Szarowski, 239-6763
NEWSLETTER EDITOR - Bill Silverman, 439-6465

ELECTIONS

AT THE JANUARY GENERAL MEETING WE WILL HAVE OUR
ANNUAL ELECTIONS

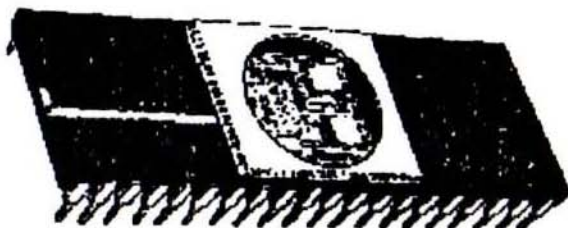
The elected positions of the Club are.

President
ST Vice President (will be vacant 12/31/87)
XE Vice President (currently vacant)
Treasurer
Secretary (currently vacant)

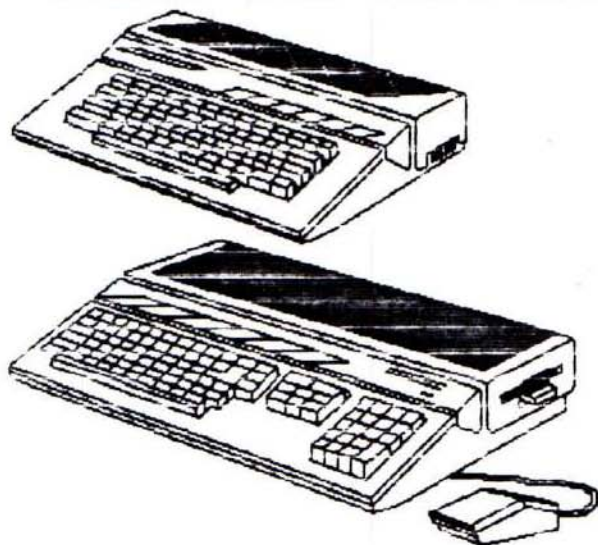
Appointed positions are.

XE Librarian
ST Librarian
CDACE BBS Sysop
Newsletter Editor
Communications Officer

If you are interested in any of these positions please inform any
of the current officers of the Club by phone, on the BBS
(237-1232), or by mail (CDACE, PO Box 305, Delmar NY 12054) prior
the January meeting



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RENEWAL DATE: 1/ 1/1999

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